

Product datasheet for **RG234731**

CHD1L (NM_001256338) Human Tagged ORF Clone

Product data:

Product Type:	Expression Plasmids
Product Name:	CHD1L (NM_001256338) Human Tagged ORF Clone
Tag:	TurboGFP
Symbol:	CHD1L
Synonyms:	ALC1; CHDL
Mammalian Cell Selection:	Neomycin
Vector:	pCMV6-AC-GFP (PS100010)
E. coli Selection:	Ampicillin (100 ug/mL)



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ORF Nucleotide Sequence:

>RG234731 representing NM_001256338
 Red=Cloning site Blue=ORF Green=Tags(s)

TTTTGTAATACGACTCACTATAGGGCGGCCGGAATTCGTCGACTGGATCCGGTACCGAGGAGATCTGCC
 GCC**CGCATCGCC**

ATGGAGCGCGCGGGCGCTACTAGCCGCGGGGCCAAGCGCCTGGCTTCTTACTGCGGCTTCATACTGAGG
 GCCGAGCCGAGGCGCGGGTGCAGGAGCAGGACTTACGGCAGTGGGGCTGACAGCAAGTGAAGTACA
 CAAACTCTGCAGCCATTTCTGCTGAGGCGAGTAAAAGCTGAGGTAGCTACAGAGCTTCCCAAGAAGACA
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 GCTAGTGGGAAGCTTACCTGCTGGATAAGCTACTAGCATTCTGTATTCTGGGGCCATCGGGTTTTAC
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 GCGTGTGGATGGTTCTGTGAGAGGAGAAGAGAGACACTTGGCCATTAAGAACTTTGGACAGCAGCCATT
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 CCTGTCTGGCATTAAAGATGGCAGCCCTAGAAGAGGGCCTGAAGAAGATATTTTACAGCAAAAAAGAA
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 TTATTCGGAAACATCTGGCTGCAAGAGGCATCCCAACTTACATATATTTTCTAGAAAGCAAGTCTGC
 TGTCCTTCATTACAGTCTTCATCTTCTCCTCAAGACAGCTGGTGCCT

ACGCGTACGCGGCCGCTCGAG - GFP Tag - GTTTAA

Protein Sequence: >RG234731 representing NM_001256338
 Red=Cloning site Green=Tags(s)

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MERAGATSRGGQAPGFLLRLHTEGRAEAARVQEQLRQWGLTASELHKLLQPFLLRVKAEVATELPKKT
EVIYIHGMSALQKKYYKAILMKDLDAFENETAKKVKLQNILSQLRKCVDHPYLFDGVEPEPFVGDHLTE
ASGKLHLLDKLLAFLYSGGHRVLLFSQMTQMLDILQDYMDYRGYSYERVDGVSVRGEERHLAIKNFGQQPI
FVFLSTRAGGVGMNLTAADTVIFVDSDFNPQNDLQAAARAHRIQNKSVKIVIRLIGRDTVEEIVYRKAA
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LPAAEGGSRDQEEGNHMYLFEGKDYSKEPSKEDRKSFEQLVNLQKTLLEKASQEGRSLRNKGSVLIPLG
VEGSTKRKRVLSPHEELDRQKKRQEAARKRRRIIEKKRQKEEAHKKKMAWESNNYQSFCLPSEEESEP
EDLENGEESAELEDYQDPDATSLKYVSGDVTHPQAGAEDALIVHCVDSDGHWGRGGLFTALEKRSAPRK
IYELAGMKDLSLGGVLLFPVDDKESRNKGQDLLALIVAQHRDRSNVLSGIKMAALEEGLKKIFLAAKKK
KASVHLPRIGHATKGFNWWYGERLIRKHLAARGIPTIYIYFPRSKSAVLHSQSSSSSSRQLVP
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TRTRPLE - GFP Tag - V

Restriction Sites: SgfI-MluI

Cloning Scheme:



ACCN: NM_001256338

ORF Size: 2079 bp

OTI Disclaimer: The molecular sequence of this clone aligns with the gene accession number as a point of reference only. However, individual transcript sequences of the same gene can differ through naturally occurring variations (e.g. polymorphisms), each with its own valid existence. This clone is substantially in agreement with the reference, but a complete review of all prevailing variants is recommended prior to use. [More info](#)

OTI Annotation: This clone was engineered to express the complete ORF with an expression tag. Expression varies depending on the nature of the gene.

Components: The ORF clone is ion-exchange column purified and shipped in a 2D barcoded Matrix tube containing 10ug of transfection-ready, dried plasmid DNA (reconstitute with 100 ul of water).

Reconstitution Method:

1. Centrifuge at 5,000xg for 5min.
2. Carefully open the tube and add 100ul of sterile water to dissolve the DNA.
3. Close the tube and incubate for 10 minutes at room temperature.
4. Briefly vortex the tube and then do a quick spin (less than 5000xg) to concentrate the liquid at the bottom.
5. Store the suspended plasmid at -20°C. The DNA is stable for at least one year from date of shipping when stored at -20°C.

RefSeq: [NM_001256338.1](#), [NP_001243267.1](#)

RefSeq Size: 2424 bp

RefSeq ORF: 2082 bp

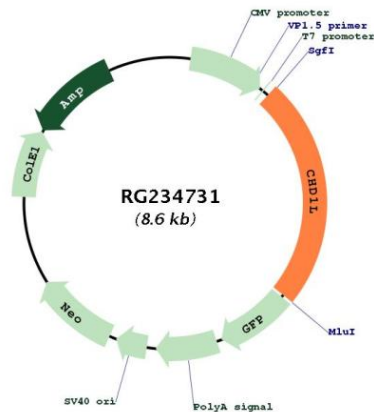
Locus ID: 9557

UniProt ID: [Q86WJ1](#)

Cytogenetics: 1q21.1

Gene Summary: This gene encodes a DNA helicase protein involved in DNA repair. The protein converts ATP to add poly(ADP-ribose) as it regulates chromatin relaxation following DNA damage. Overexpression of this gene has been linked to several types of cancers. [provided by RefSeq, Feb 2017]

Product images:



Circular map for RG234731